

ABSTRACT OF THE DISCLOSURE

A method for dry detection/quantification of targeted nucleotide chains, comprising the steps of:

(1) realizing a state in which a hybrid (C) of a
5 certain amount of targeted nucleotide chain (A), which
is derived from a sample solution and subjected to
detection or quantification, and a probe nucleotide
chain (B), which has a base sequence complementary to a
specific site of the base sequence of the targeted
10 nucleotide chain, is formed on a solid-phase substrate
by mutually reacting the two types of nucleotide chains
with each other, and in which there exists a
fluorescence dye (D), which acts on the hybrid (C),
thereby emits fluorescence or increases its
15 fluorescence intensity, and is capable of continuing to
emit fluorescence even in the dried state while acting
on the hybrid;

(2) drying the hybrid (C) and the fluorescence
dye (D) on the substrate; and

20 (3) measuring the fluorescence emitted from the
fluorescence dye (D), as a measuring means, after the
drying operation.

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